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Zeichen/Ref./Réf. EPAC-78092.7	Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°. 02004131.5-2303-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire Armstrong World Industries,	Inc.

COMMUNICATION

	ne European Patent Office herewith transmits as an enclosu cove-mentioned European patent application.	ire the	European search	report for the
If a	applicable, copies of the documents cited in the European s	search	report are attache	d.
	Additional set(s) of copies of the documents cited in the E as well.	uropea	an search report is	s (are) enclosed
The	e following specifications given by the applicant have been	approv	ed by the Search	Division:
	☐ abstract			
X	The abstract was modified by the Search Division and the communication.	definiti	ve text is attached	d to this
The	e following figure will be published together with the abstrac	et:	10	



If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



EUROPEAN SEARCH REPORT

Application Number EP 02 00 4131

Category	······································	DERED TO BE RELEVAN indication, where appropriate,	Relevant	CLASSIFICATION OF THE
Category	of relevant pas		to claim	APPLICATION (Int.CI.7)
Х			1-3,5-8	E04B9/18 E04B9/06
Y	figures 1,3 *		4	
x	9 February 1988 (19	RARO EUGENE ET AL) 88-02-09) - column 5, line 53	9-17	
1	Trigule 4 -		4,18-20	
ĺ	FR 1 272 449 A (ELE 22 September 1961 (* figure 15 *		8,15	
	US 3 998 419 A (SEM 21 December 1976 (1 * figures 1,2 *		18-20	
	US 5 732 521 A (SCH KARL-AUGUST) 31 Mar * figuré 9A *	MITT-RAISER ch 1998 (1998-03-31)	8,15	TECHNICAL FIELDS SEARCHED (Int.CI.7)
	US 4 084 364 A (JON 18 April 1978 (1978 * the whole documen	-04-18)		
	US 5 619 833 A (NEF) 15 April 1997 (1997- * figure 1 *			
	The present search report has b	een drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
M	IUNICH	24 April 2002	Rosb	orough, J
X : particu	EGORY OF CITED DOCUMENTS clarly relevant if laken alone larly relevant if combined with anothe	T : theory or prin E : earlier patent after the filing	nciple underlying the int t document, but publish g date	vention

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X : particularly relevant if taken alone
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 A : technological background
 O : non-written disclosure
 P : intermediate document

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 00 4131

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

24-04-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date	
US	4294054	А	13-10-1981	NONE		
US	4723749	А	09-02-1988	NONE		
FR	1272449	A	22-09-1961	NONE		
US	3998419	Α	21-12-1976	CA	1053431 A1	01-05-1979
US	5732521	A	31-03-1998	DE AT DE EP JP	19510741 A1 203793 T 59607387 D1 0735209 A1 8338099 A	26-09-1996 15-08-2001 06-09-2001 02-10-1996 24-12-1996
US	4084364	Α	18-04-1978	NONE		
US	5619833	Α	15-04-1997	US	5979134 A	09-11-1999